

03040205-02

(*Black River*)

General Description

Watershed 03040205-02 is (formerly 03040205-010, 03040205-020, and a portion of 03040205-070) is located in Lee and Sumter Counties and consists primarily of the ***Black River*** and its tributaries from its origin to Scape Ore Swamp. The watershed occupies 71,890 acres of the Sandhills and the Upper and Lower Coastal Plain regions of South Carolina. Land use/land cover in the watershed includes: 62.6% agricultural land, 20.6% forested wetland, 8.3% forested land, 5.6% urban land, 2.2% scrub/shrub land, 0.5% barren land, 0.1% water, and 0.1% nonforested wetland.

The Black River originates near the City of Bishopville and accepts drainage from Gin Branch (Laws Branch), Broad Branch, Church Branch (Meadow Branch), and Casual Branch. Further downstream, Stony Run Branch (Little Stony Run Branch) enters the river followed by Nancy Branch, the Atkins Drainage Canal, and Church Branch. There are 173.5 stream miles and 67.6 acres of lake waters in this watershed. The Black River is classified FW* (Dissolved oxygen not less than 4.0 mg/l and pH between 5.0 and 8.5) and the remaining streams in the watershed are classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-353	S/INT	FW*	BLACK RIVER AT S-43-57
PD-354	W/INT	FW	CANAL TO ATKINS DRAIN CANAL AT SC 527 (.75 MI N OF US 76)

Black River (PD-353) – This is a blackwater system, characterized by naturally low dissolved oxygen conditions. Although dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Aquatic life and recreational uses are fully supported. Significant decreasing trends in total phosphorus concentration and fecal coliform bacteria concentration suggest improving conditions for these parameters.

Canal to Atkins Drainage Canal (PD-354) – This is a blackwater system, characterized by naturally low pH conditions. Although pH excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Aquatic life uses are not supported due to dissolved oxygen excursions, which are compounded by a significant decreasing trend in dissolved oxygen concentration. Recreational uses are fully supported.

*A fish consumption advisory has been issued by the Department for mercury and includes the **Black River** within this watershed (see advisory p.72).*

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

NPDES#

TYPE

COMMENT

BLACK RIVER TRIBUTARY
THE BURKE COMPANY/BURKE MINE
PIPE #: 001 FLOW: M/R

SCG730597
MINOR INDUSTRIAL

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

LANDFILL NAME

FACILITY TYPE

PERMIT #

STATUS

LEE COUNTY LANDFILL
MUNICIPAL

312411-1101
ACTIVE

LEE COUNTY LANDFILL
COMPOSTING

312411-3001
INACTIVE

Land Application Sites

LAND APPLICATION SYSTEM

FACILITY NAME

ND#

TYPE

SPRAYFIELD
TOWN OF MAYESVILLE

ND0069787
DOMESTIC

Growth Potential

There is a low to moderate potential for growth in this watershed, which contains a portion of the City of Bishopville and the Town of Mayesville, together with portions of I-20, U.S. Hwy. 15, and U.S. Hwy. 76. Residential, commercial, and industrial growth is expected surrounding the municipal areas and major road corridors. The remainder of the watershed is rural with agricultural and timberland uses.